

DATE:

October 28, 1981

RECEIVED

NOV 4 1981

TO:

Sy Levine

FROM:

Gary Swanson

EPA-600-APPL-1

ID # 031 600 AMC

Date of Investigation: 10/27/81

SUBJECT:

FACILITY: Republic Steel

ADDRESS: 11600 Burley Ave. Chicago, Ill. 60617

CONTACT/TITLE: Bill Vskert, Environmental Engineer PHONE:
visible emissions readings

PRE-INVESTIGATION STATUS:

<input checked="" type="checkbox"/> Workplan Facility	<input checked="" type="checkbox"/> Task Force, A	<input type="checkbox"/> Viol. (pot. health haz), K
<input type="checkbox"/> Quarterly Report	<input type="checkbox"/> On Program B	<input type="checkbox"/> Violator (Other), L
<input type="checkbox"/> Form 2	<input type="checkbox"/> NESHAPS, D	<input type="checkbox"/> Toxic Substance Source M
<input checked="" type="checkbox"/> Other	<input type="checkbox"/> Haz. Waste Inc., E	<input type="checkbox"/> Probable Mal'f N
	<input type="checkbox"/> NSPS, F	<input type="checkbox"/> Non-Traditional, Inv., O
	<input type="checkbox"/> Annual Inspection I	<input type="checkbox"/> Special Inv., P
	<input type="checkbox"/> Special Request, J	<input type="checkbox"/> Special Hydrocarbons, Q

INSPECTION FINDINGS

<input checked="" type="checkbox"/> Emission Violation	<input checked="" type="checkbox"/> Warning Letter	<input checked="" type="checkbox"/> XTAS Checked
<input type="checkbox"/> Permit Violation	<input type="checkbox"/> To Form 2. Report	<input type="checkbox"/> TAS Coded
<input type="checkbox"/> No Violation	<input type="checkbox"/> To Quarterly Report	<input checked="" type="checkbox"/> X Form 177
		<input checked="" type="checkbox"/> X Flowform
		<input type="checkbox"/> Mal'f'n - Wang

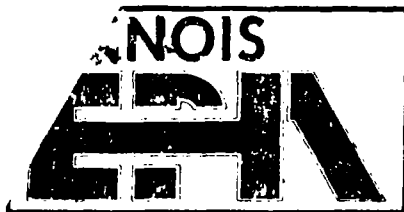
NARRATIVE:

On 10/27/81 I travelled to Republic Steel to observe several emission sources from outside of the Republic property. At 2:06pm white smoke was emitting from the roof monitor above the location of the Q-BOP. Emissions fluctuated between 10% and 70% from 2:06pm till 2:23pm when there was a huge cloud of orange smoke emitted from the roof monitor at 100%. It engulfed the whole east end of the building. This dissipated fairly quick because of the 10 - 12 mph north wind but again at 2:29pm another large cloud of orange smoke was emitted that lasted till 2:35pm. They are in violation of Rule 202(b) for which they are being sent a warning letter. Bill Vskert was notified of this violation.

EPA Region 5 Records Ctr.



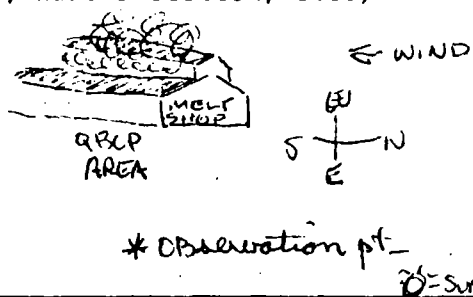
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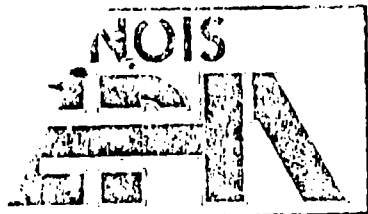


Environmental Protection Agency

2200 Churchill Road, Springfield, Illinois 62706

VISIBLE EMISSION RECORDING FORM

Company Name <i>Republic Steel</i>		Company ID Number <i>031 600 AMC</i>		Observation Date <i>10/27/81</i>	
Address <i>11600 Burley Ave</i>		Observer's Name <i>Gary Swanson</i>			
State <i>Chicago Ill</i>	ZIP <i>60626</i>	Phone <i>60626</i>		Certified By <i>State of Ill</i> Date <i>10/21/81</i>	
Source/Process <i>Q-BOP</i>		Time Start <i>2:06 p</i> Time Stop <i>2:5</i>			
Control Equipment <i>venturi scrubber</i>	Operating Mode <i>Continuous</i>				
Describe Emission Point <i>roof monitor</i>					
Emission Point Height Above Ground Level <i>100 ft</i>	Emission Point Height Relative to Observer <i>100 ft</i>				
Distance to Emission Point <i>100 yds</i>	Direction to Emission From Observer <i>100 yds</i>				
Describe Emission <i>smoke</i>					
Color of Emission <i>orange white</i>	Continuous <input type="checkbox"/> Fugitive <input type="checkbox"/> Intermittent <input type="checkbox"/>				
Water Vapor Present No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	If Yes, Is Plume Attached <input type="checkbox"/> Detached <input type="checkbox"/>				
Point Where Opacity Was Determined <i>above roof monitor</i>					
Describe Background <i>sky</i>					
Color of Background <i>blue</i>	Sky Condition <i>clear</i>				
Wind Speed <i>10-12 mph</i>	Wind Direction <i>north</i>				
Ambient Temperature <i>60°F</i>	Relative Humidity				
Layout Sketch of Source (Show North Arrow, Location of Sun, Emission Point, Wind Direction, etc.) 		Range of Opacity <i>10 % to 100 %</i>			
		Number of Readings Above <i>30 % were 118</i>			
Observer's Signature <i>Gary Swanson</i>		Date <i>10/27/81</i>			



Environmental Protection Agency

1701 S. First Street Maywood, IL. 60153

October 29, 1981

Mr. Mike Thomas
Environmental Coordinator
Republic Steel
11600 Burley Ave.
Chicago, Ill. 60617

RE: Republic Steel - I.D. #031 600AMC

Dear Mr. Thomas:

Pursuant to its responsibilities, the Illinois Environmental Protection Agency conducted an investigation of the above mentioned facility on October 27, 1981 and found the following apparent violations:

Rule: 202(b) - Emissions up to 100% opacity from the roof monitor of the Q-BOP.

This information is provided to allow you the opportunity to verify or dispute the Agency's findings. We are available to discuss this apparent violation at your convenience. We await your reply at a date no later than ten (10) days from the receipt of this letter. Bill Uskert was notified of this violation.

If you have any questions please feel free to contact the undersigned at 312/345-9780.

Sincerely,

Gary Swanson
Environmental Protection Specialist

Sy Levine, P.E.
Regional Manager-FOS/DAPC

GS/SL/dm

cc: Miles Zamco
Permit Section
File